

## SEQUENCE LISTING

<110> VÉZINA, Louis-Philippe  
D'AOUST, Marc-André  
MEDICAGO Inc.

<120> PROMOTER FOR REGULATING EXPRESSION OF  
FOREIGN GENES

<130> 14149-4"US"

<150> US 60/157,129

<151> 1999-10-04

<160> 3

<170> FastSEQ for Windows Version 3.0

<210> 1

<211> 1350

<212> DNA

<213> Artificial Sequence

<220>

<223> Sequence to be used as a Promoter for regulating  
expression

<400> 1

cgacggcccg	ggctggtata	tttatatggt	gtcaataaac	tcaaaaacca	taaaagttaa	60
agttagcaag	tgtgtacatt	tttatttgaa	caaaaatatt	cacctactac	tggtataaat	120
cattattaaa	cattagagta	aagaaatatg	gatgataaga	acaagagtag	tgatattttg	180
acaacaattt	tggtgcaaca	tttgagaaaa	ttttggtggt	ctctcttttc	attggtcaaa	240
aacaatagag	agagaaaaag	gaagagggag	aataaaaaaca	taatgtgagt	atgagagaga	300
aagttgtaca	aaagttgtac	caaaatagtt	gtacaaatat	cattgaggaa	tttgacaaaa	360
gctacacaaa	taaggggttaa	ttgctgtaaa	taaataagga	tgacgcatta	gagagatgta	420
ccattagaga	atTTTTggca	agtcattaaa	aagaaagaat	aaattatttt	taaaattaaa	480
agttgagtca	tttgattaaa	catgtgatta	tttaatgaat	tgatgaaaga	gttggattaa	540
agttgtatta	gtaattagaa	tttggtgtca	aatttaattt	gacatttgat	cttttcctat	600
atattgcccc	atagagtcag	ttaactcatt	tttatatttc	atagatcaaa	taagagaaat	660
aacggtatat	taatccctcc	aaaaaaaaaa	aacggtatat	ttactaaaaa	atctaagcca	720
cgtaggagga	taacatccaa	tccaaccaat	cacaacaatc	ctgatgagat	aaccactttt	780
aagcccacgc	actctgtggc	acatctacat	tatctaaatc	acacattctt	ccacacatct	840
gagccacaca	aaaaccaatc	cacatcttta	tcacccattc	tataaaaaat	cacactttgt	900
gagtctacac	tttgattccc	ttcaaacaca	tacaaagaga	agagactaat	taattaatta	960
atcatcttga	gagaaaaatg	ccaccgttac	ttccaccacc	gttgctattc	catcattcac	1020
aggccttaag	gcaaacgcaa	gcaaagttaa	tgccatagct	aagggtccaa	cttcaacttc	1080
tcaattgcca	aggctttgtg	tcagagcttc	cctcaaagac	tttgaggttg	ctgctgttgc	1140
cactgctgca	agtgctattg	tagctagcaa	tgcccttgca	gttgaagtgt	tgcttggtgc	1200
tagtgatggg	ggtttggtct	ttgttccaaa	caatttcaca	gtgaacgctg	gagacaccat	1260
tacattcaag	aacaatgctg	gttttctctc	caacgttatc	ttcgatgaag	acgagattcc	1320
aagcgggggt	gatgctgcaa	tcgaattccc				1350

4210> 2  
 4211> 971  
 4212> DNA  
 4213> Artificial Sequence

4220>  
 4223> Sequence to be used as a Promoter for regulating  
 expression

4400> 2

oggggtgata	tatttatatg	ttgtcaaaata	actcaaaaaa	cataaaaagt	taagttagea	60
agtgtgtaca	tttttatttg	aacaaaaata	ttcacctact	actgtttata	atcattatta	120
aacatttagg	ttaagaaaata	tggatgataa	gaacaagagt	agtgatattt	tgaacaacaat	180
tttgtttaaa	cttttgagaa	aattttgttg	ttctctcttt	tcattgggtc	aaatcaatag	240
agagagaaaa	aggaagaggg	agaataaaaa	cataatgtga	gtatgagaga	gaaagttgta	300
caaaaagtgt	acaaaaatag	ttgtacaaat	atcattgagg	aatttgacaa	aagctacaca	360
aataagggtt	aattgctgtt	aataaataag	gatgaacgat	tagagagatg	taccattaga	420
gaatttttgg	caagtcatta	aaaagaaaaga	ataaattatt	tttaaaatta	aaagttgagt	480
catttgatga	aacatgtgat	tatttaaatga	attgatgaaa	gagttggatt	aaagttgcat	540
tagtaattag	aatttgggtg	caaatttaaat	ttgacatttg	atctttctct	atatattgct	600
ccatagagtc	agttaaactca	tttttatatt	tcatagatca	aataagagaa	ataacgggtat	660
attaactcct	caaaaaaaaa	aaaacgggat	atttactaaa	aaatctaago	caagtaggag	720
gataaacatcc	aattccaacca	atcacaacaa	tcctgatgag	ataaacccact	tttaagcccaac	780
gcactctgtg	gcacatctac	attatctaaa	tcacacactc	ttccacacat	ctgagccaca	840
caaaaaaccaa	tcacatcttt	tatcacccat	tcataaaaaa	atcacacttt	gtgagctctac	900
actttgatcc	cattcaaaaca	catacaaaaga	gaagagacta	attaattaat	taatcatctt	960
gagagaaaat	g					971

4410> 2  
 4411> 731  
 4412> DNA  
 4413> Artificial Sequence

4420>  
 4423> Sequence to be used as a Promoter for regulating  
 expression

4600> 2

agagagaaaa	aggaagaggg	agaataaaaa	cataatgtga	gtatgagaga	gaaagttgta	60
caaaaagtgt	acaaaaatag	ttgtacaaat	atcattgagg	aatttgacaa	aagctacaca	120
aataagggtt	aattgctgtt	aataaataag	gatgaacgat	tagagagatg	taccattaga	180
gaatttttgg	caagtcatta	aaaagaaaaga	ataaattatt	tttaaaatta	aaagttgagt	240
catttgatga	aacatgtgat	tatttaaatga	attgatgaaa	gagttggatt	aaagttgcat	300
tagtaattag	aatttgggtg	caaatttaaat	ttgacatttg	atctttctct	atatattgct	360
ccatagagtc	agttaaactca	tttttatatt	tcatagatca	aataagagaa	ataacgggtat	420
attaactcct	caaaaaaaaa	aaaacgggtat	atttactaaa	aaatctaago	caagtaggag	480
gataaacatcc	aattccaacca	atcacaacaa	tcctgatgag	ataaacccact	tttaagcccaac	540
gcactctgtg	gcacatctac	attatctaaa	tcacacactc	ttccacacat	ctgagccaca	600
caaaaaaccaa	tcacatcttt	tatcacccat	tcataaaaaa	atcacacttt	gtgagctctac	660
actttgatcc	cattcaaaaca	catacaaaaga	gaagagacta	attaattaat	taatcatctt	720
gagagaaaat	g					731